

Date Mailed:

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Sheet 1 of 11

FORM 1449\*

## INFORMATION DISCLOSURE STATEMENT

## IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

13615.21USUI

Application Number:

09/895,871

Applicant: FANG ET AL.

Filing Date: JUNE 29, 2001

Group Art Unit: 4645/1600/2900

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RR	4,224,179 (456)	09/23/1980	Schneider	—	—	
RR	4,231,877 (457)	11/04/1980	Yamauchi et al.	—	—	
RR	4,235,871 (447)	11/25/1980	Papahadjopoulos	—	—	
RR	4,247,411 (448)	01/27/1981	Vanlerberghe et al.	—	—	
RR	4,394,448 (458)	07/19/1983	Szoka, Jr. et al.	—	—	
RR	4,399,216 (459)	08/16/1983	Axel et al.	—	—	
RR	4,522,811 (707)	06/11/1985	Eppstein et al.	—	—	
RR	4,616,088 (688)	10/07/1986	Ryono et al.	—	—	
RR	4,636,491 (598)	01/13/1987	Bock et al.	—	—	
RR	4,665,193 (706)	05/12/1987	Ryono et al.	—	—	
RR	4,668,770 (99)	05/26/1987	Boger et al.	—	—	
RR	4,673,567 (460)	06/16/1987	Jizomoto	—	—	
RR	4,676,980 (461)	06/30/1987	Segal et al.	—	—	
RR	4,736,866 (474)	04/12/1988	Leder et al.	—	—	
RR	4,749,792 (597)	06/07/1988	Natarajan et al.	—	—	
RR	4,753,788 (462)	06/28/1988	Gamble	—	—	
RR	4,814,270 (463)	03/21/1989	Piran	—	—	
RR	4,816,567 (464)	03/28/1989	Cabilly et al.	—	—	
RR	4,870,009 (465)	09/26/1989	Evans et al.	—	—	
RR	4,880,781 (13)	11/14/1989	Hester, Jr. et al.	—	—	
RR	4,897,355 (466)	01/30/1990	Eppstein et al.	—	—	
RR	5,010,182 (467)	04/23/1991	Brake et al.	—	—	
RR	5,142,056 (590)	08/25/1992	Kempe et al.	—	—	
RR	5,145,684 (846)	09/08/1992	Liversidge et al.	—	—	
RR	5,162,538 (17)	11/10/1992	Voges et al.	—	—	
RR	5,175,281 (594)	12/29/1992	McCall et al.	—	—	
RR	5,250,565 (444)	10/05/1993	Brooks et al.	—	—	

## U.S. PATENT DOCUMENTS

EXAMINER	RR Payman	DATE CONSIDERED	6-7-03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 13615.21USUI	Application Number: 09/895,871
	Applicant: FANG ET AL.	
	Filing Date: JUNE 29, 2001	Group Art Unit: 1645-21

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RR	5,364,934 (468)	11/15/1994	Drayna et al.	—	—	
RR	5,374,652 (446)	12/20/1994	Buzzetti et al.	—	—	
RR	5,376,542 (469)	12/27/1994	Schlegal	—	—	
RR	5,387,742 (177)	02/07/1995	Cordell	—	—	
RR	5,441,870 (189)	08/15/1995	Seubert et al.	—	—	
RR	5,461,067 (599)	10/24/1995	Norbeck et al.	—	—	
RR	5,475,138 (556)	12/12/1995	Pal et al.	—	—	
RR	5,481,011 (847)	01/02/1996	Chen et al.	—	—	
RR	5,482,947 (838)	01/09/1996	Talley et al.	—	—	
RR	5,502,061 (591)	03/26/1996	Hui et al.	—	—	
RR	5,502,187 (595)	03/26/1996	Ayer et al.	—	—	
RR	5,508,294 (837)	04/16/1996	Vazquez et al.	—	—	
RR	5,510,349 (853)	04/23/1996	Talley et al.	—	—	
RR	5,510,388 (703)	04/23/1996	Vazquez et al.	—	—	
RR	5,516,784 (640)	05/14/1996	Bennett et al.	—	—	
RR	5,521,219 (850)	05/28/1996	Vazquez et al.	—	—	
RR	5,545,640 (642)	08/13/1996	Beaulieu et al.	—	—	
RR	5,593,846 (201)	01/14/1997	Schenk et al.	—	—	
RR	5,602,175 (542)	02/11/1997	Talley et al.	—	—	
RR	5,602,169 (445)	02/11/1997	Hewawasam et al.	—	—	
RR	5,604,102 (202)	02/18/1997	McConlogue et al.	—	—	
RR	5,610,190 (638)	03/11/1997	Talley et al.	—	—	
RR	5,612,486 (185)	03/18/1997	McConlogue et al.	—	—	
RR	5,625,031 (470)	04/29/1997	Webster et al.	—	—	
RR	5,631,405 (554)	05/20/1997	Pal et al.	—	—	
RR	5,639,769 (836)	06/17/1997	Vazquez et al.	—	—	
RR	5,648,511 (704)	07/15/1997	Ng et al.	—	—	
RR	5,663,200 (18)	09/02/1997	Bold et al.	—	—	
RR	5,708,004 (536)	01/13/1998	Talley et al.	—	—	

EXAMINER <i>RR Raymond</i>	DATE CONSIDERED <i>6-10-07</i>
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	Applicant: FANG ET AL.	
	Filing Date: JUNE 29, 2001	Group Art Unit: 1645/1624

RR	5,720,936 (186)	02/24/1998	Wadsworth et al.	—	—	
RR	5,721,130 (184)	02/24/1998	Seubert et al.	—	—	
RR	5,733,882 (29)	03/31/1998	Carr et al.	—	—	
RR	5,744,346 (182)	04/28/1998	Chrysler et al.	—	—	
RR	5,753,652 (711)	05/19/1998	Fässler et al.	—	—	
RR	5,760,064 (851)	06/02/1998	Vazquez et al.	—	—	
RR	5,760,076 (548)	06/02/1998	Vazquez et al.	—	—	
RR	5,766,846 (171)	06/16/1998	Schlossmacher et al.	—	—	
RR	5,807,870 (652)	09/15/1998	Anderson et al.	—	—	
RR	5,807,891 (19)	09/15/1998	Bold et al.	—	—	
RR	5,811,633 (176)	09/22/1998	Wadsworth et al.	—	—	
RR	5,827,891 (639)	10/27/1998	Dressman et al.	—	—	
RR	5,830,897 (653)	11/03/1998	Vazquez et al.	—	—	
RR	5,831,117 (547)	11/03/1998	Ng et al.	—	—	
RR	5,847,169 (645)	12/08/1998	Nummy et al.	—	—	
RR	5,849,911 (535)	12/15/1998	Fässler et al.	—	—	
RR	5,850,003 (705)	12/15/1998	McLonogue et al.	—	—	
RR	5,863,902 (428)	01/26/1999	Munoz et al.	—	—	
RR	5,872,101 (429)	02/16/1999	Munoz et al.	—	—	
RR	5,877,015 (710)	03/02/1999	Hardy et al.	—	—	
RR	5,877,399 (178)	03/02/1999	Hsiao et al.	—	—	
RR	5,912,410 (418)	06/15/1999	Cordell	—	—	
RR	5,922,770 (543)	07/13/1999	Peschke et al.	—	—	
RR	5,935,976 (91)	08/10/1999	Bold et al.	—	—	
RR	5,942,400 (181)	08/24/1999	Anderson et al.	—	—	
RR	5,962,419 (434)	10/05/1999	McDonald et al.	—	—	
RR	5,965,588 (686)	10/12/1999	Vazquez et al.	—	—	
RR	6,001,813 (131)	12/14/1999	Gyorkos et al.	—	—	
RR	6,013,658 (16)	01/11/2000	Lau et al.	—	—	
RR	6,022,872 (644)	02/08/2000	Vazquez et al.	—	—	
RR	6,045,829 (538)	04/04/2000	Liversidge et al.	—	—	

EXAMINER	RR <i>Raymond</i>	DATE CONSIDERED	6-10-03
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Applicant: FANG ET AL.

Filing Date: JUNE 29, 2001

Group Art Unit: 1629

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RR	6,051,684 (427)	04/18/2000	McDonald et al.			
RR	6,060,476 (637)	05/09/2000	Vazquez et al.			
RR	6,150,344 (685)	11/21/2000	Carroll et al.			
RR	6,153,652 (191)	11/28/2000	Wu et al.			
RR	6,191,166 B1 (50)	02/20/2001	Audia et al.			
RR	6,221,670 B1 (355)	04/24/2001	Cordell et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RR	0 036776 A2 (471)	09/30/1981	Europe				
RR	0 073 657 B1 (476)	03/09/1983	Europe				
RR	0 117 060 A2 (472)	08/29/1984	Europe				
RR	0 117 058 B1 (473)	08/29/1984	Europe				
RR	0 173 441 A1 (557)	05/03/1986	Europe				
RR	0 209 897 A2 (90)	01/28/1987	Europe				
RR	0 212 903 B1 (100)	03/04/1987	Europe				
RR	DE 3610593 A1 (98)	10/01/1987	Germany				
RR	0 264 106 B1 (101)	04/20/1988	Europe				
RR	DE 3721 855 A1 (93)	09/22/1988	Germany				
RR	0 274 259 A2 (89)	07/13/1988	Europe				
RR	2 203 740 A (544)	10/25/1988	UK				
RR	2 211 504 A (475)	07/05/1989	UK				
RR	0 320 205 A2 (102)	06/14/1989	Europe				
RR	0 337 714 (8)	10/18/1989	Europe				
RR	0 362 179 A2 (449)	04/04/1990	Europe				
RR	0 372 537 A2 (96)	06/13/1990	Europe				
RR	0 437 729 A2 (21)	07/24/1991	Europe				
RR	DE 40 03 575 A1	08/08/1991	Germany				
RR	0 609 625 A1 (567)	08/10/1994	Europe				
RR	0 652 009 A1 (709)	05/10/1995	Europe				
RR	7-126286 (97)	05/16/1995	Japan				

EXAMINER

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FORM 1449\*

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(Use several sheets if necessary)

Docket Number:

13615.21USUI

Application Number:

09/895,871

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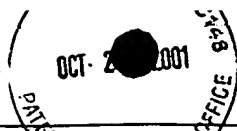
Group Art Unit: 4643 1624

RR	WO 87/02986 (551)	05/21/1987	PCT				
RR	WO 87/04349 (10)	07/30/1987	PCT				
RR	WO 87/05330 (454)	09/11/1987	PCT				
RR	WO 89/00161 (15)	01/12/1989	PCT				
RR	WO 89/01488 (12)	02/23/1989	PCT				
RR	WO 89/05859 (453)	06/29/1989	PCT				
RR	WO 90/13646 (452)	11/15/1990	PCT				
RR	WO 91/00360 (451)	01/10/1991	PCT				
RR	WO 92/00750 (537)	01/23/1992	PCT				
RR	WO 92/17490 (14)	10/15/1992	PCT				
RR	WO 92/20373 (455)	11/26/1992	PCT				
RR	WO 93/02057 (11)	02/04/1993	PCT				
RR	WO 93/08829 (450)	05/13/1993	PCT				
RR	WO 93/17003 (7)	09/02/1993	PCT				
RR	WO 94/04492 (848)	03/03/1994	PCT				
RR	WO 95/06030 (839)	03/02/1995	PCT				
RR	WO 97/30072 (22)	08/21/1997	PCT				
RR	WO 98/22597 (170)	05/28/1998	PCT				
RR	WO 98/29401 (562)	07/09/1998	PCT				
RR	WO 98/33795 (546)	08/06/1998	PCT				
RR	WO 98/50342 (550)	11/12/1998	PCT				
RR	WO 99/41266 (568)	08/19/1999	PCT				
RR	WO 99/54293 (635)	10/28/1999	PCT				
RR	WO 00/17369 (169)	03/30/2000	PCT				
RR	WO 00/47618 (364)	08/17/2000	PCT				
RR	WO 00/56335 (314)	09/28/2000	PCT				
RR	WO 00/61748 (302)	10/19/2000	PCT				
RR	WO 00/69262 (272)	11/23/2000	PCT				
RR	WO 00/77030 (256)	12/21/2000	PCT				
RR	WO 01/00663 (159)	01/04/2001	PCT				
RR	WO 01/00665 A2 (20)	01/04/2001	PCT				

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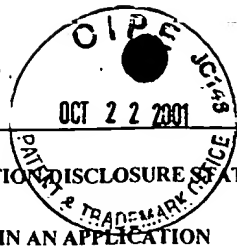
<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 13615.21USU1	Application Number: 09/895,871
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* RR	WO 01/10387 A2 (443)	02/15/2001	PCT	—	—		
RR	WO 01/19797 A2 (381)	03/22/2001	PCT	—	—		
* RR	WO 01/23533 A2 (289)	04/05/2001	PCT	—	—		
RR	WO 01/29563 A1 (479)	04/26/2001	PCT	—	—		
RR	WO 01/51659 A2 (790)	07/19/2001	PCT	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RR	Abbenante, et al., <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, pp. 1331-35 Inhibitors of $\beta$ -Amyloid Formation Based on the $\beta$ -Secretase Cleavage Site [439]
RR	Alterman et al., <i>J. Med. Chem.</i> , 1998, 41, 3782-3792 Design and Synthesis of New Potent C <sub>2</sub> -Symmetric HIV-1 Protease Inhibitors. Use of L-Mannaric Acid as a Peptidomimetic Scaffold [868]
RR	Amblard et al., <i>J. Med. Chem.</i> , 1999, 42:20, pp. 4193-4201 Synthesis and Characterization of Bradykinin B <sub>2</sub> Receptor Agonists Containing Constrained Dipeptide Mimics [730]
RR	Arrowsmith et al., <i>Tetrahedron Letters</i> , 1987, 28:45, pp. 5569-5572 Amino-Alcohol Dipeptide Analogues: A Simple Synthesis of a Versatile Isostere for the Development of Proteinase Inhibitors [584]
RR	Askin et al., <i>The Journal of Organic Chemistry</i> , 1992, 57:10, pp. 2771-2773 Highly Disastrous Alkylations of Chiral Amide Enolates: New Routes to Hydroxyethylene Dipeptide Isostere Inhibitors of HIV-1 Protease [561]
RR	Balicki et al., <i>Synth. Comm.</i> , 1993, 23(22), pp. 3149-3155 Mild and Efficient Conversion of Nitriles to Amides with Basic Urea-Hydrogen Peroxide Adduct [874]
RR	Barton, <i>Protective Groups in Organic Chemistry</i> , 1976, Chpt. 2, pp. 43-93 Protection of N-H Bonds and NR <sub>2</sub> [718]
RR	Basu et al., <i>Tetrahedron Letters</i> , 1998, 39, pp. 3005-3006 Efficient Transformation of Nitrile into Amide under Mild Condition [881]
RR	Bennett et al., <i>Synlett</i> , 1993, 9, pp. 703-704 The Synthesis of Novel HIV-Protease Inhibitors via Silica Gel Assisted Addition of Amines to Epoxides [744]
RR	Berge et al., <i>Journal of Pharmaceutical Sciences</i> , 1/1977, 66:1, pp. 1-19 Pharmaceutical Salts [735]
RR	Blatt, <i>Organic Syntheses</i> , Collective Vol. 2, pp. 312-315 Heptaldoxime [883]
RR	Bodendorf et al., <i>The Journal of Biological Chemistry</i> , 2001, 276:15, pp. 12019 - 12023 A Splice Variant of $\beta$ -Secretase Deficient in the Amyloidogenic Processing of the Amyloid Precursor Protein [493]

EXAMINER	RR Rayner	DATE CONSIDERED	6-10-03
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	Applicant: FANG ET AL.	
	Filing Date: JUNE 29, 2001	Group Art Unit: 4645-627

RR	Bose et al., <i>Synth. Comm.</i> , 1997, 27(18), pp. 3119 - 3123 A Facile Hydration of Nitriles by Dimethyldioxirane [ 876]
RR	Calderwood et al., <i>Tetrahedron Letters</i> , 1997, 38:7, pp. 1241 - 1244 Organocerium Reactions of Benzamides and Thiobenzamides: A Direct Synthesis of Tertiary Carbinamines [741]
RR	Chen et al., <i>Tetrahedron -Mannaric Acid Letters</i> , 1997, 38:18, pp. 3175 - 3178 A Practical Method for the Preparation of $\alpha'$ -Chloroketones of N-Carbamate Protected- $\alpha$ -Aminoacids [885]
RR	Ciganek, <i>J. Org. Chem.</i> , 1992, 57:16, pp. 4521 - 4527 Tertiary Carbinamines by Addition of Organocerium Reagents to Nitriles and Ketimies [721]
RR	Citron et al., <i>Nature</i> , 1992, 360:6405, pp. 672-674 Mutation of the $\beta$ -amyloid Precursor Protein in Familial Alzheimer's Disease Increases $\beta$ -Protein Production [722]
RR	Cushman et al., <i>J. Med. Chem.</i> , 1997, 40:15, pp. 2323 - 2331 Synthesis of Analogs of 2-Methoxyestradiol with Enhanced Inhibitory Effects on Tubulin Polymerization and Cancer Cell Groth [734]
RR	Deno, et al., <i>J. Am. Chem. Soc.</i> , 1970, 92:7, pp. 3700 - 3703 Protonated Cyclopropane Intermediates in the Ractions of Cyclopropanecarboxylic Acids [727]
RR	Diedrich et al., <i>Tetrahedron Letters</i> , 1993, 34:39, pp. 6169-6172 Stereoselective Synthesis of A Hydroxyethylene Dipeptide Isostere [559]
RR	Diercks et al., <i>J. Am. Chem. Soc.</i> , 1986, 108:11, pp. 3150-3152 Tris(benzocyclobutadieno)benzene, the Triangular [4]Phenylene with a Completely Bond-Fixed Cyclohexatriene Ring: Cobalt-Catalyzed Synthesis from Hexaethynylbenzene and Thermal Ring Opening to 1,2:5,6:9, 10-Tribenzo-3,4,7,8,11,12 hexadehydro[12]-annulene [728]
RR	Dovey et al., <i>Journal of Neurochemistry</i> , 2001, 76, pp. 173-181 Functional Gamma-Secretase Inhibitors Reduce Beta-Amyloid Peptide Levels in Brain [396]
RR	Dragovich et al., <i>Journal of Medicinal Chemistry</i> , 1999, 42:7, pp. 1203-1212 Structure-Based Desing, Synthesis, and Biological Evaluation of Irreversible Human Rhinovirus 3C Protease Inhibitors [553]
RR	Emilien, et al., <i>Neurological Review</i> , 2000, 57, pp. 454-459 Prospects for Pharmacological Intervention in Alzheimer Disease [723]
RR	Felman et al., <i>J. Med. Chem.</i> 1992, 35:7, pp. 1183-1190 Synthesis and Antiulcer Activity of Novel 5-(2-Ethenyl Substituted)-3(2H)furanones [724]
RR	Games et al., <i>Letters to Nature</i> , 29/1995, 373:6514, pp. 523-527 Alzheimer-type Neuropathology in Transgenic Mice Overexpressing V717 $\beta$ -amyloid Precursor Protein [441]
RR	Gao et al., <i>Tetrahedron Letters</i> , 1994, 50:4, pp. 979-988 Asymmetric Hetero Diels-Alder Reaction Catalyzed by Stable and Easily Prepared CAB Catalysts [882]
RR	Getman et al., <i>J. Med. Chem.</i> , 1993, 36:2, pp. 288-291 Discovery of a Novel Class of Potent HIV-1 Protease Inhibitors Containing the (R)-(Hydroxyethyl)urea Isostere [732]
RR	Ghosh et al., <i>J. Am. Chem. Soc.</i> , 2000, 122, pp. 3522-3523 Design of Potent Inhibitors for Human Brain Memapsin 2 ( $\beta$ -Secretase). [588]
RR	Ghosh et al., <i>J. Med. Chem.</i> , 1993, 36, pp. 2300-2310 Potent HIV Protease Inhibitors: The Development of Tetrahydrofuranlylglycines as Novel P <sub>1</sub> -Ligands [869]

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	Applicant: FANG ET AL.	
	Filing Date: JUNE 29, 2001	Group Art Unit: 1645

RR	Gould, <i>International Journal of Pharmaceutics</i> , 1986, 33:1-3, pp. 201 - 217 Salt Selection for Basic Drugs [566]
RR	Greene et al., <i>Protective Groups in Organic Synthesis: 2nd Ed.</i> , 1991, Chpt. 7, pp. 309-405 Protection for the Amino Group [747]
RR	Greene, <i>Protective Groups in Organic Synthesis</i> , 1981, Chpt. 7, pp. 218-287 Protection for the Amino Group [719]
RR	Hardy, <i>Nature Genetics</i> , 1992, 1, pp. 233-234 Framing $\beta$ -Amyloid [725]
RR	Heck, <i>Palladium Reagents in Organic Syntheses</i> , 1985, Chpt. 8.2, pp. 342-365 Carbonylation of Aromatic Compounds to Acids, Acid Derivatives, Aldehydes and Ketones [870]
RR	Henning, <i>Organic Synthesis Highlights II</i> , 1995, pp. 251 - 259 A. Synthetic Routes to Different Classes of Natural Products and Analogs Thereof -- Synthesis of Hydroxyethylene Isoteric Dipeptides [565]
RR	Hon et al., <i>Heterocycles</i> , 1990, 31:10, pp. 1745-1750 The Studies of Metal Ion Catalyzed Carbon-Hydrogen Insertion of $\alpha$ -Alkoxy- $\alpha'$ -Diazoketones Derived from Mandelic and Lactic Acids [539]
RR	Hong et al., <i>Science</i> , 2000, 290:5489, pp. 150-153 Structure of the Protease Domain of Memapsin 2 ( $\beta$ -Secretase) Complexed with Inhibitor [440]
RR	Hussain et al., <i>Molecular and Cellular Neuroscience</i> , 1999, 14, pp. 419-427 Identification of a Novel Aspartic Protease (Asp 2) as $\beta$ -Secretase [726]
RR	Kabalka et al., <i>Synth. Comm.</i> , 1990, 20(10), pp. 1445-1451 The Transformation of Nitriles into Amides [875]
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FORM 1449\*

## INFORMATION DISCLOSURE STATEMENT

## IN AN APPLICATION

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Applicant: FANG ET AL.

Filing Date: JUNE 29, 2001

Group Art Unit: ~~1645~~ 1674

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